



TOP SECRET

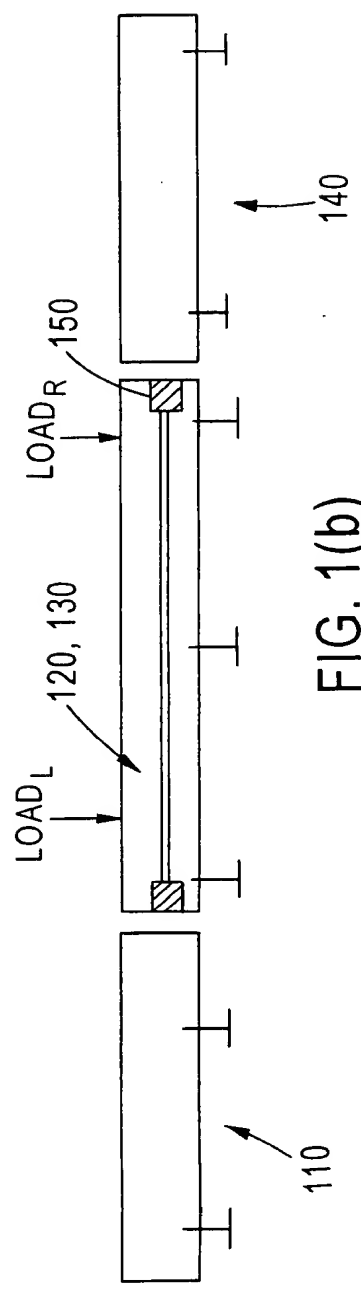


FIG. 1(b)

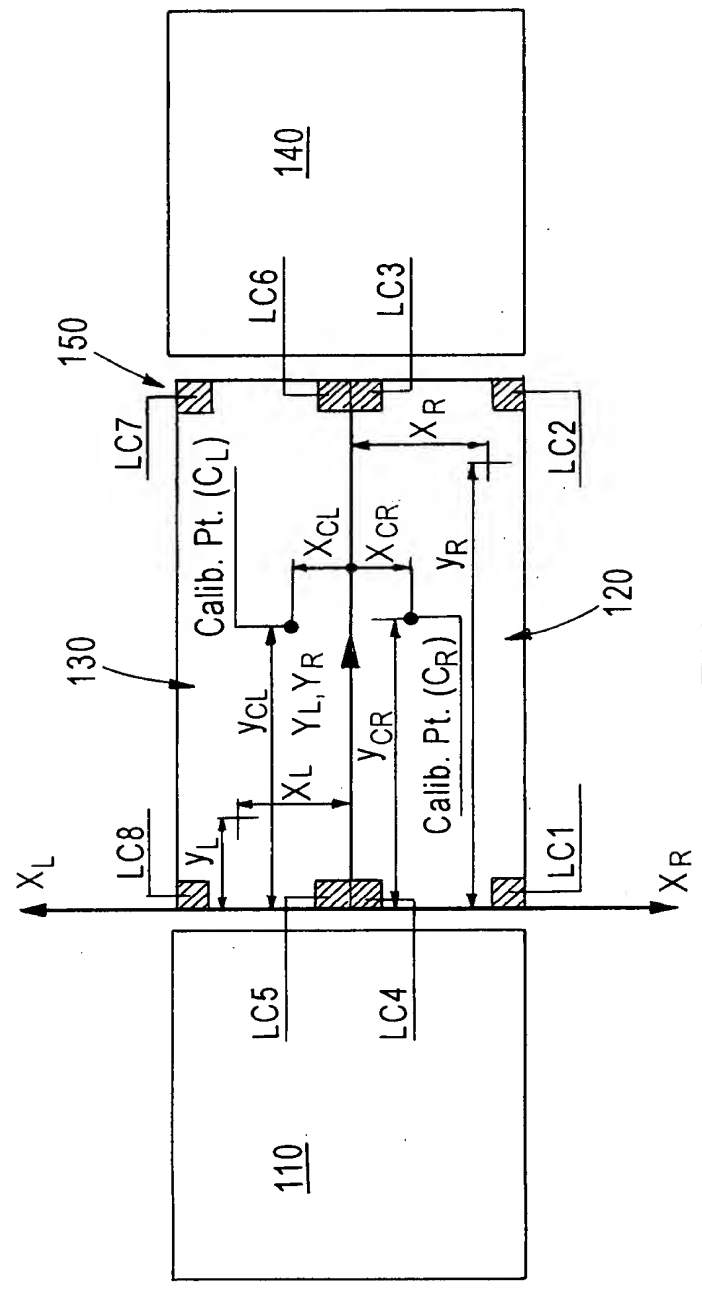


FIG. 1(c)

APPROVED FOR
BY
CLASS

3/21

FIG. 2(i)

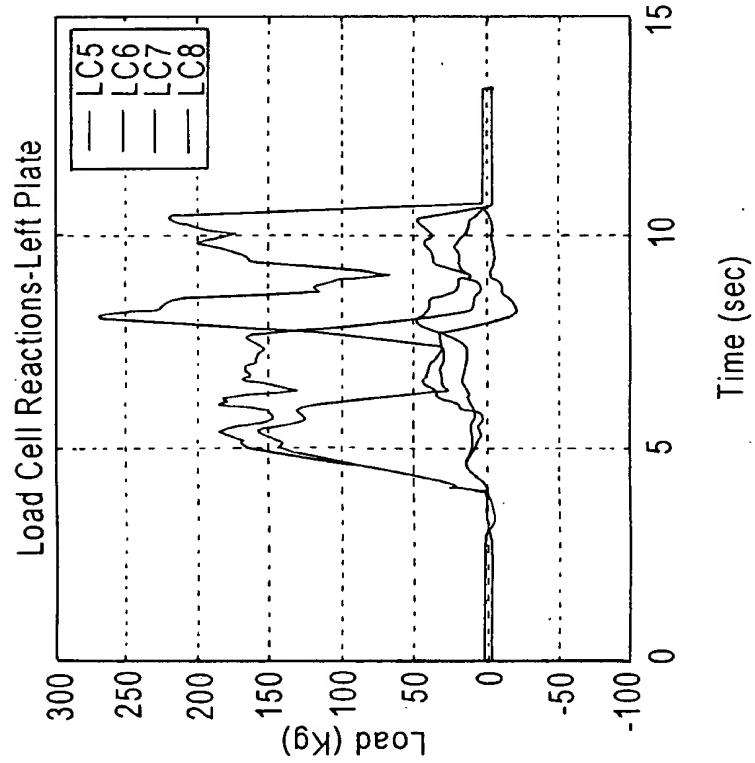
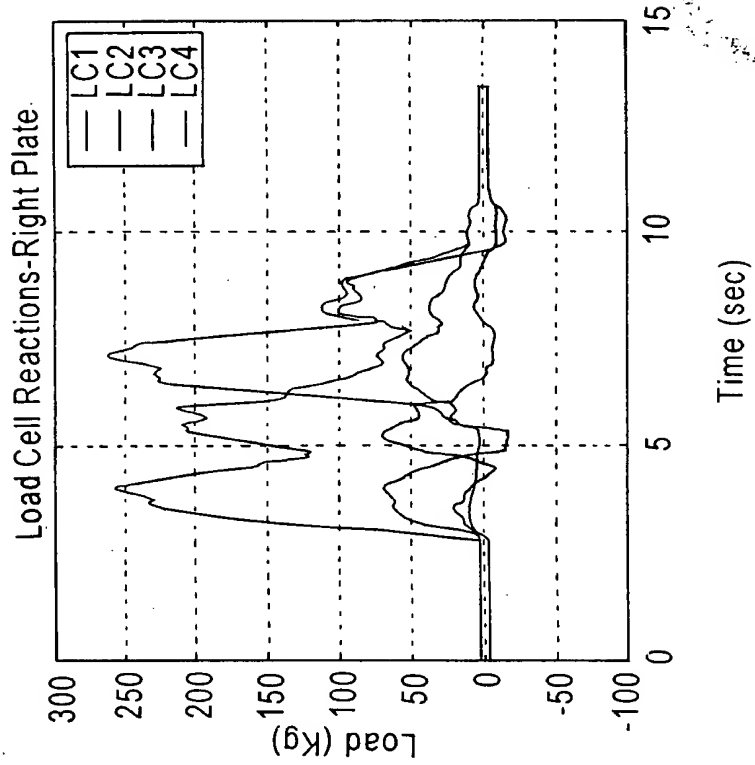


FIG. 2(ii)



APPROVED	O.G. FIO.
BY	CLASS SUBCLASS
REMARKS	

4/21



FIG. 2(iii)

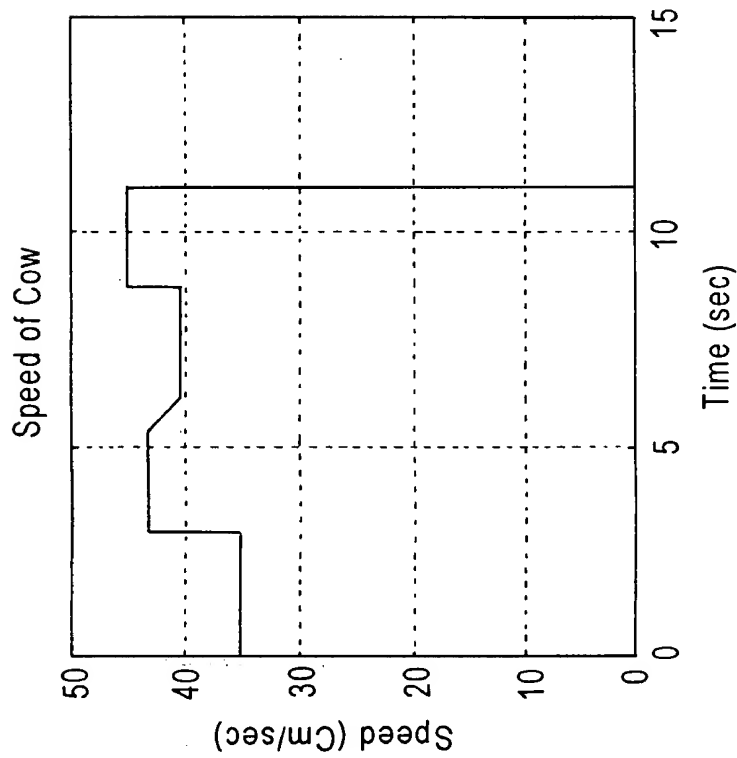
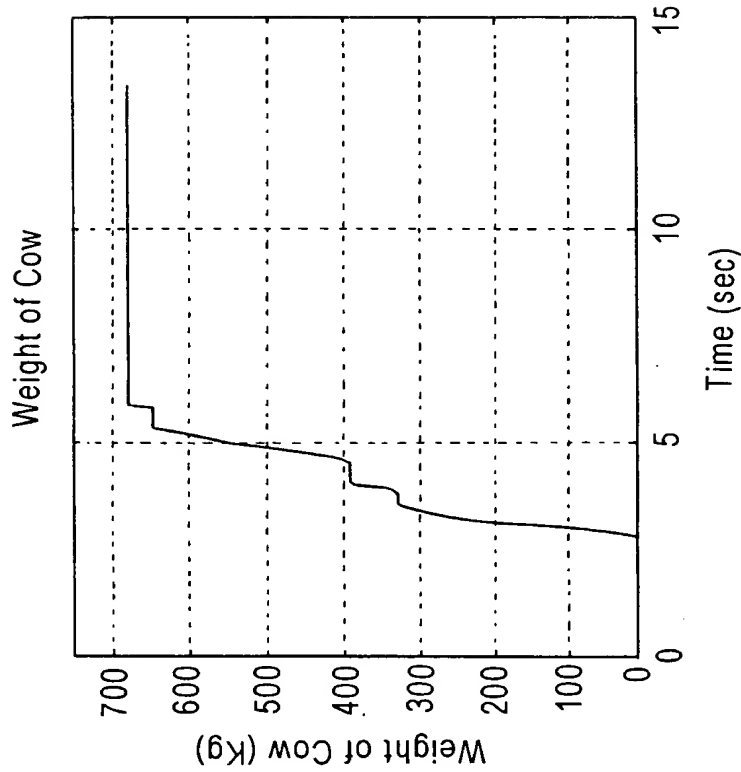
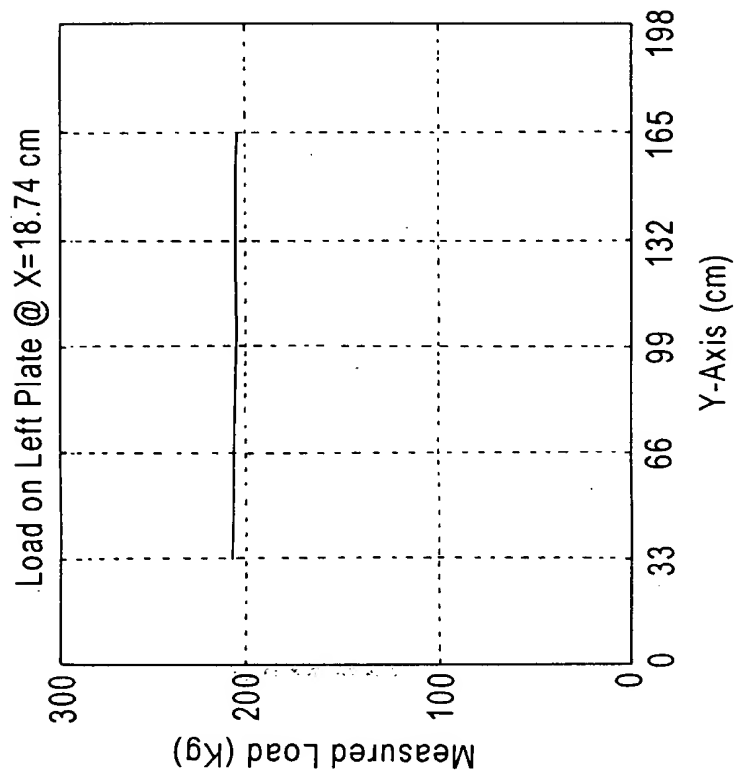


FIG. 2(iv)



RECEIVED
JUN 10 1964
U.S. AIR FORCE
HEADQUARTERS
AIR FORCE
WASHINGTON, D.C.



Load on Right Plate @ X=18.74 cm

Y-Axis (cm)	Measured Load (Kg)
33	200
66	200
99	200
132	200
165	200
198	0

FO9000-TE22800

APPROVED	O.G. FIG.
BY	CLASS
DATE	SUBCLASS

6/21

FIG. 3(iii)

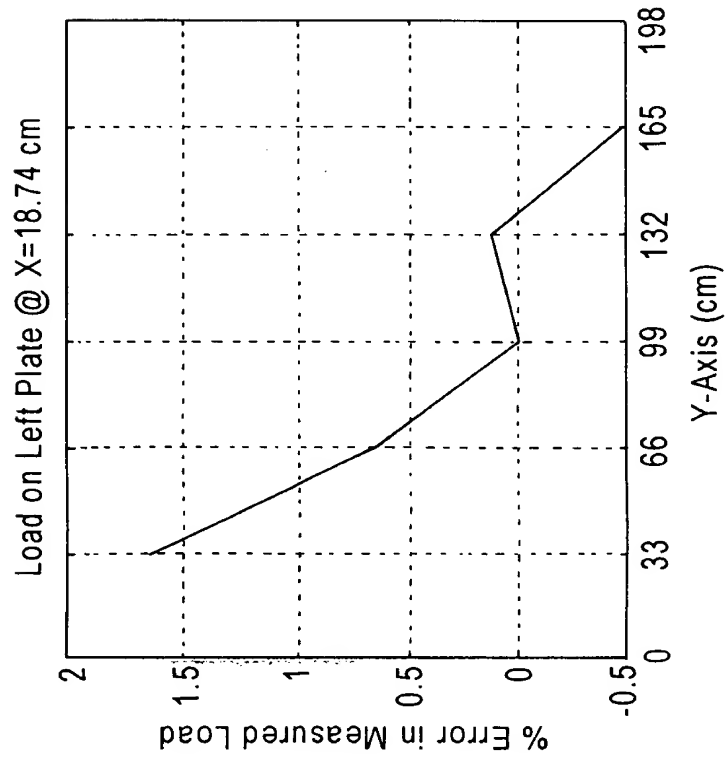
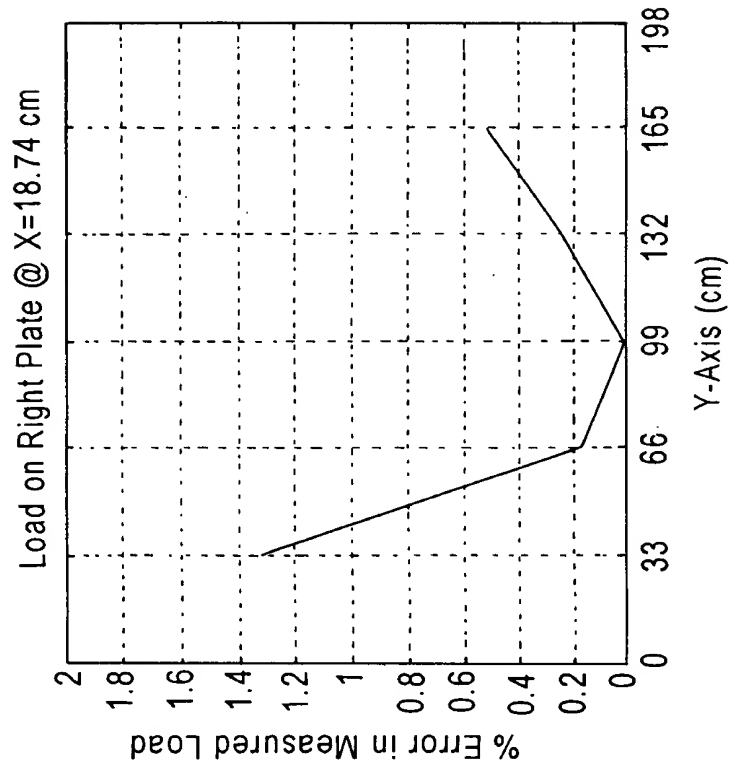


FIG. 3(iv)



APPROVED BY [Signature] U.S. F.B.I. CLASS. SUBJECT. [Signature]

100

FIG. 4(ii)

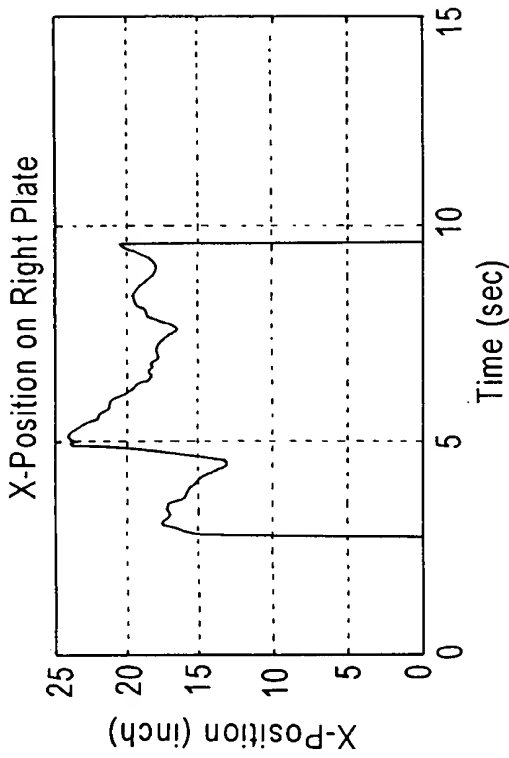
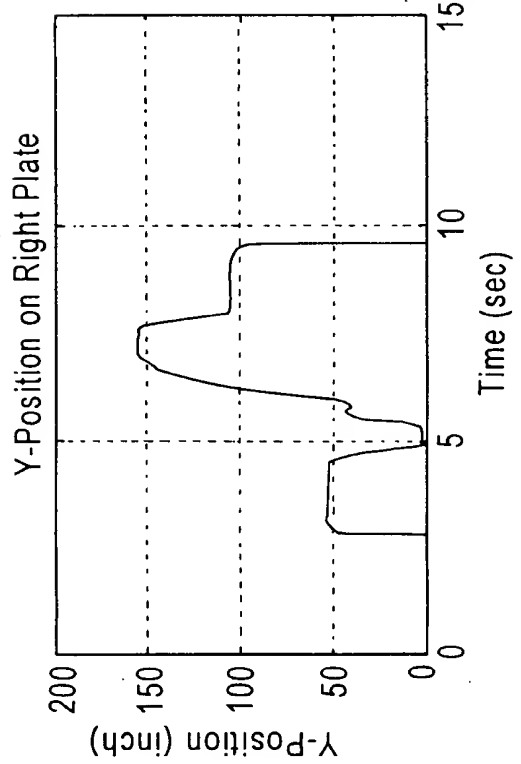


FIG. 4(iv)



8/21



FIG. 4(vi)

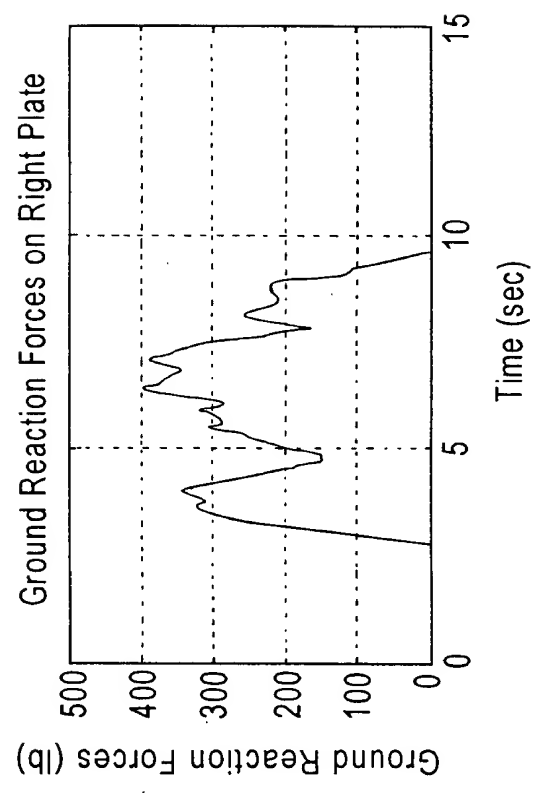
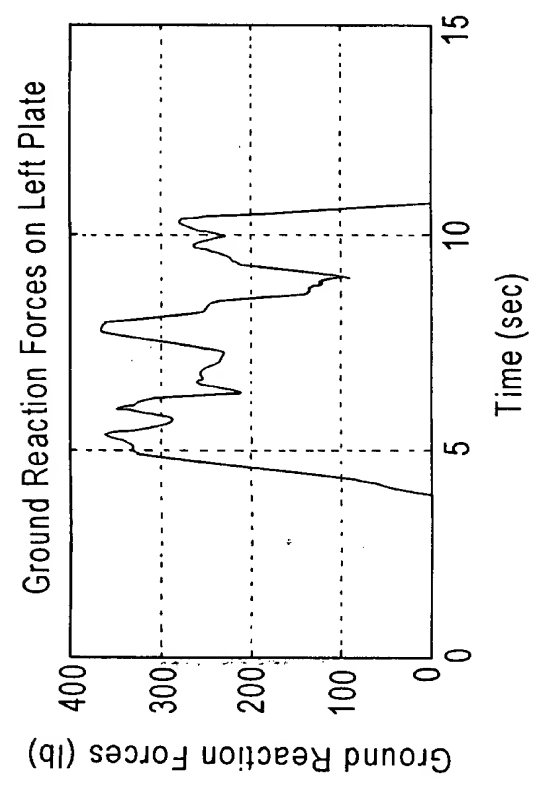


FIG. 4(v)



FOUO "T" 42000

APPROVED	D.G. F/G.
BY	CLASS
DATE	CLASS

9/21

FIG. 5(i)

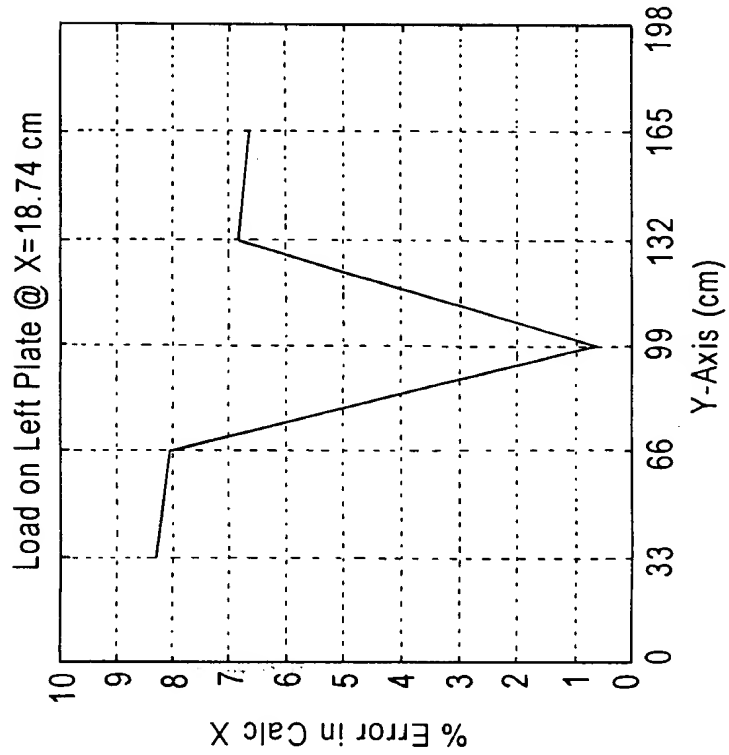
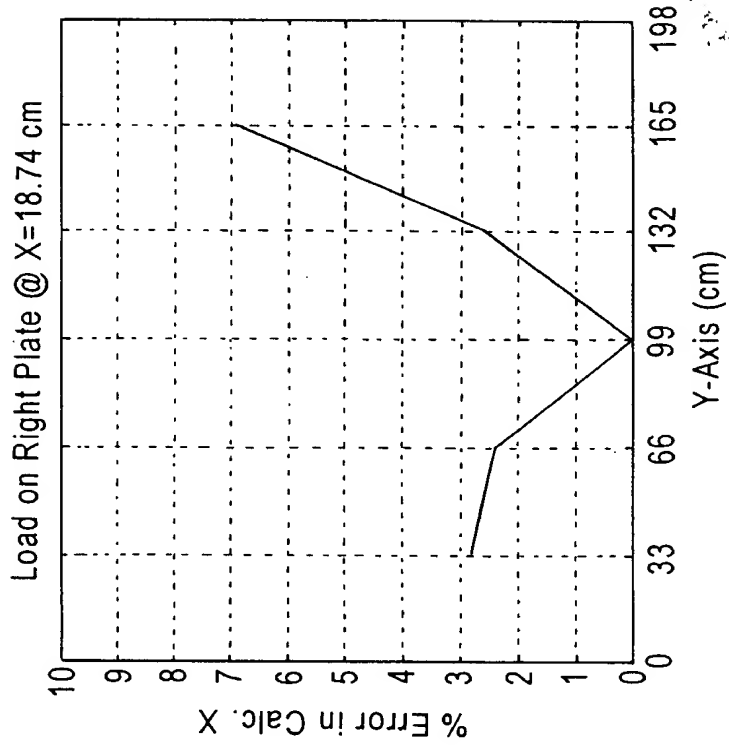


FIG. 5(ii)



10/21



FIG. 5(iii)

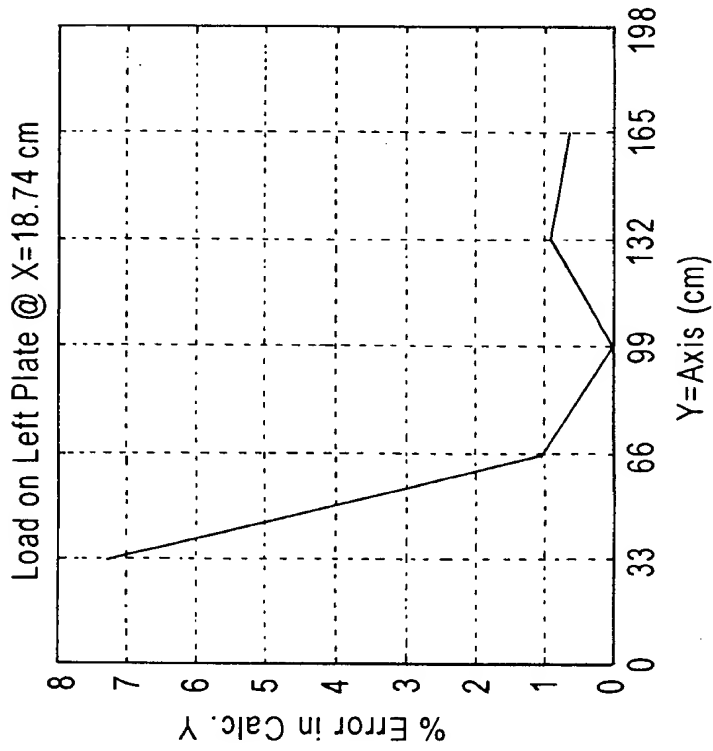
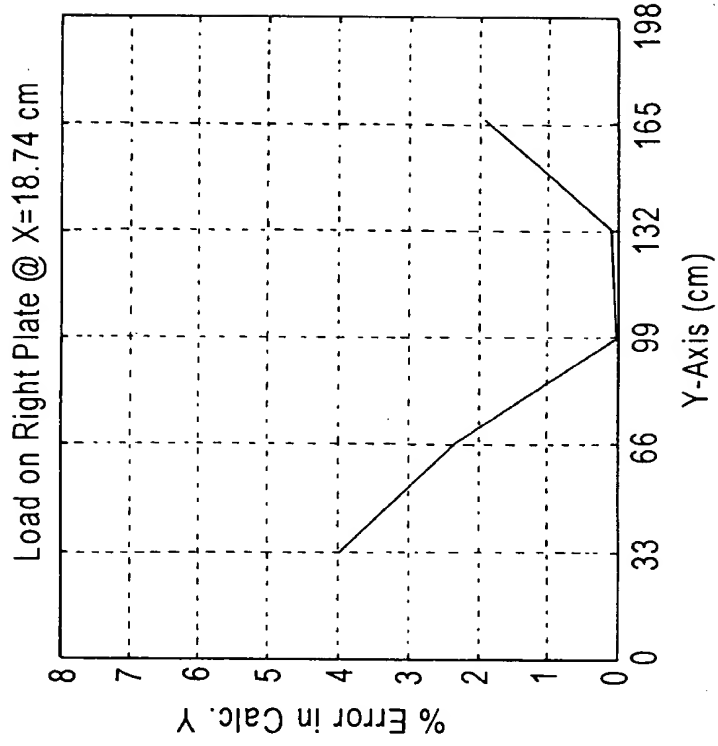


FIG. 5(iv)



11/21



FIG. 6(i)

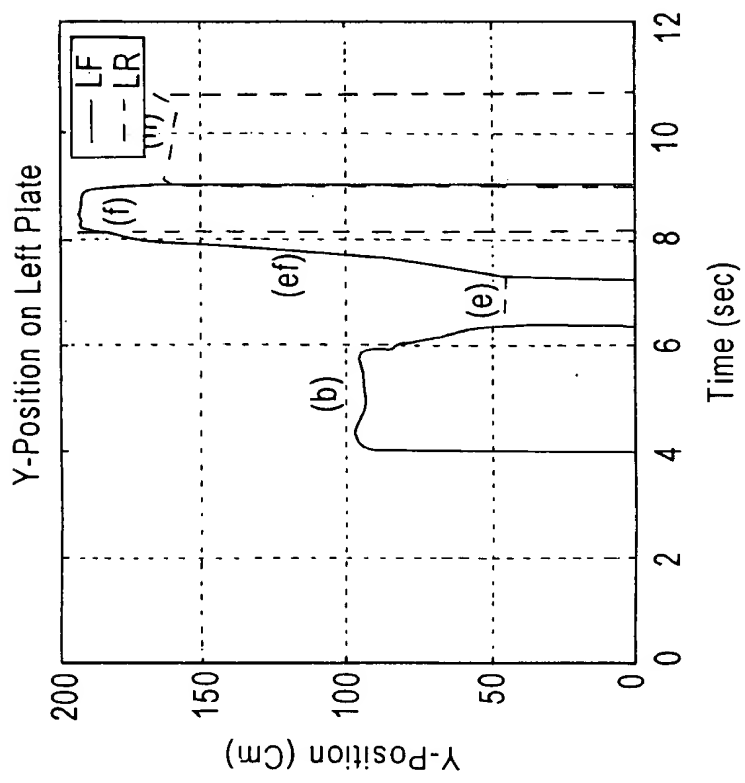
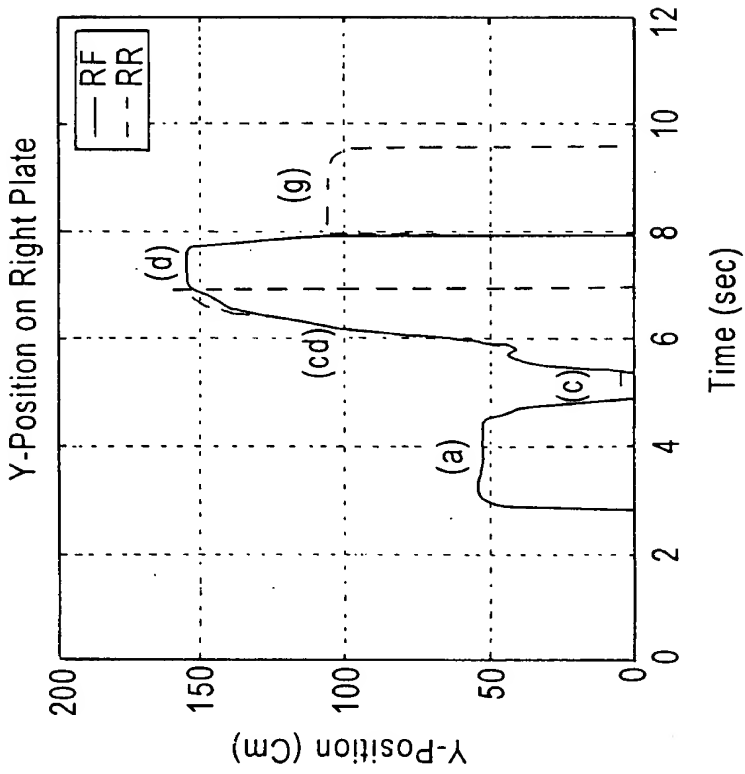


FIG. 6(ii)



12/21

FIG. 6(iii)

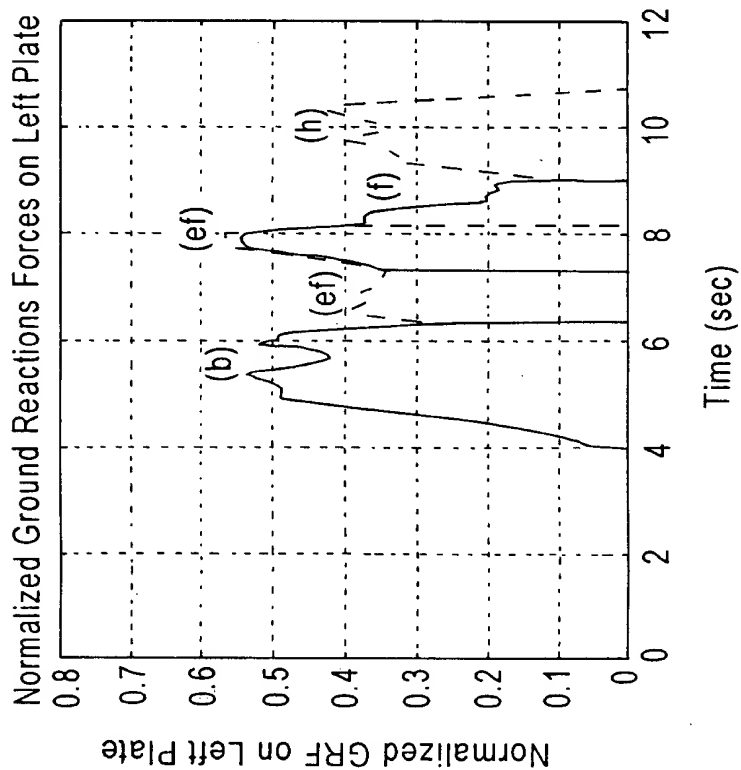
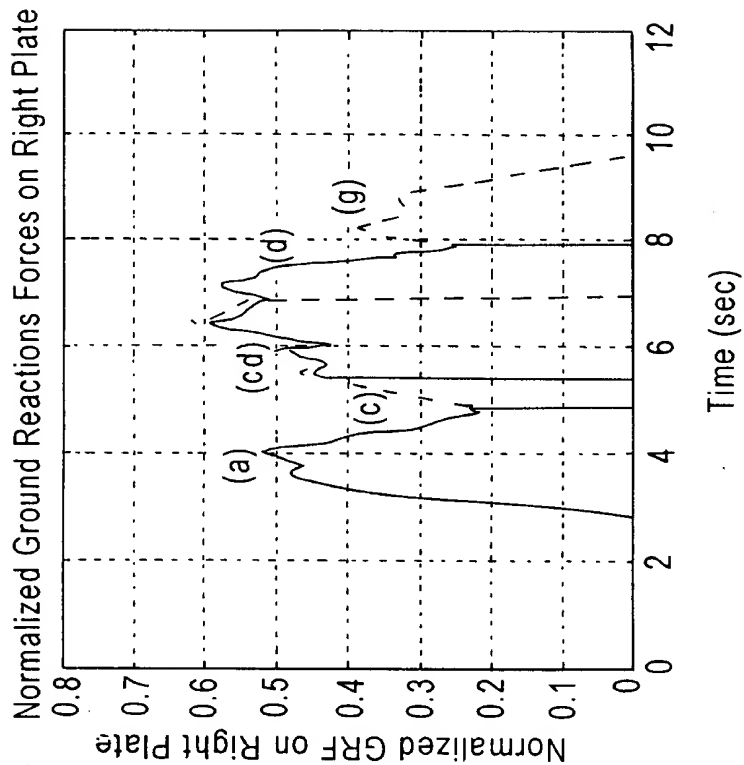


FIG. 6(iv)



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DEVELOPER		

13/21

FIG. 7(ii)

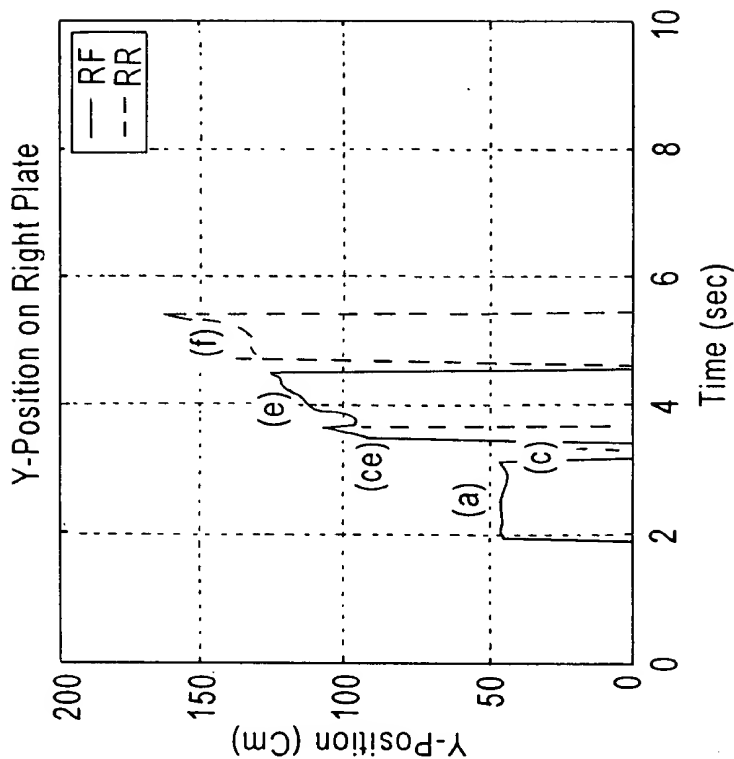
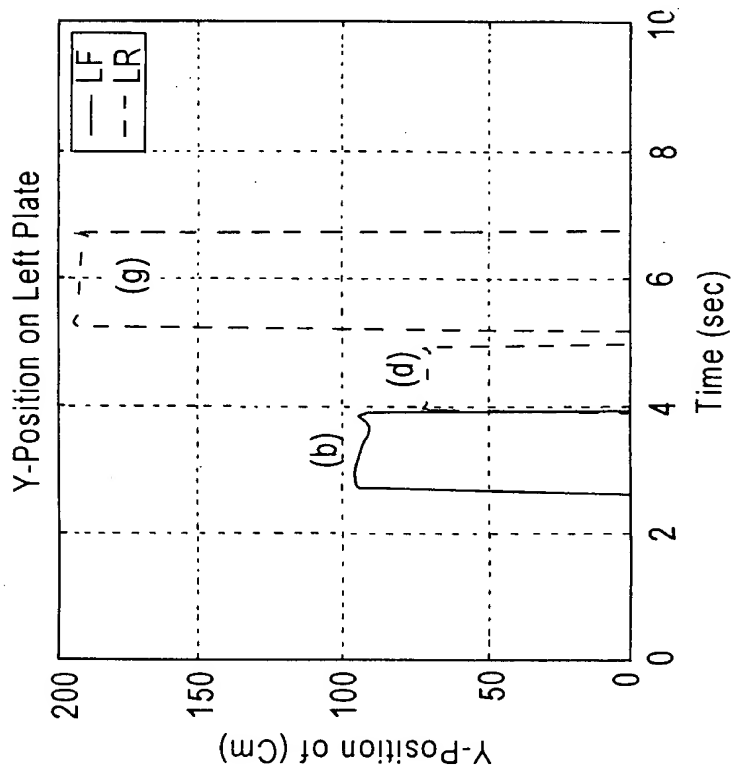


FIG. 7(i)



FO9060" FE42660

FIG. 7(iii)

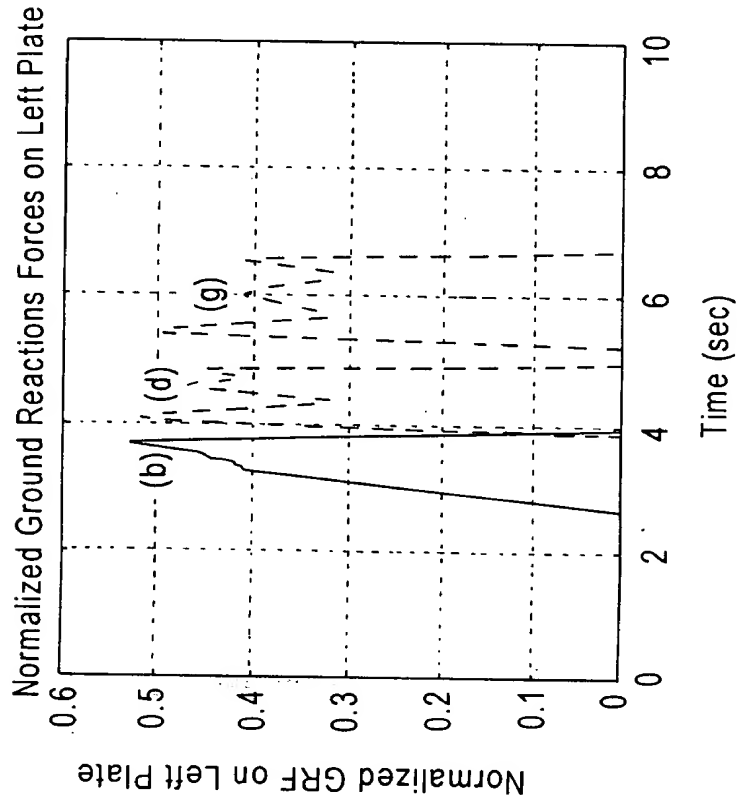


FIG. 7(iv)

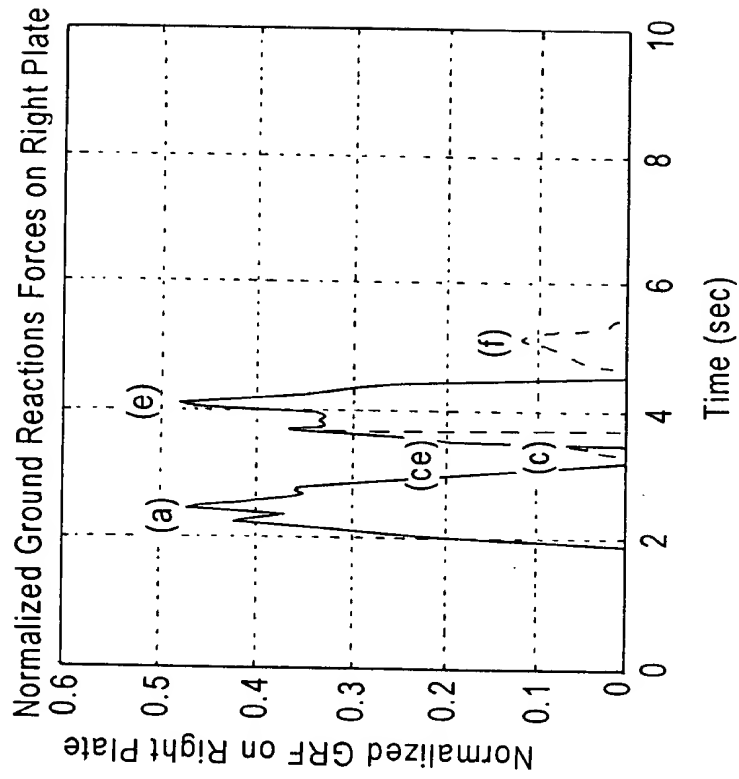


FIG. 8(a)

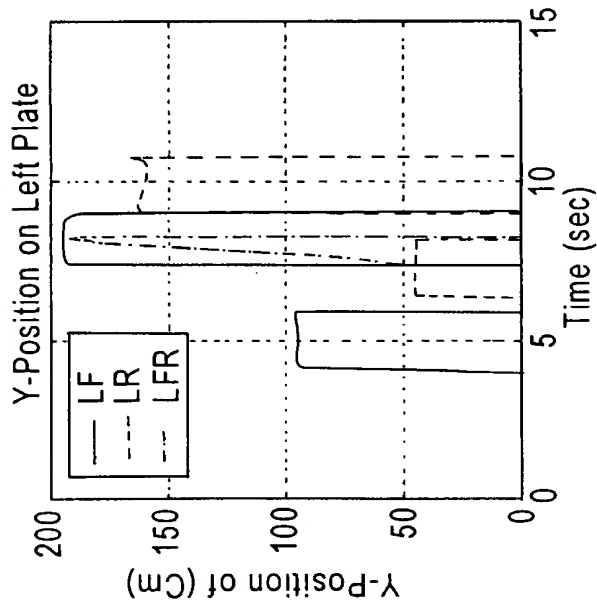


FIG. 8(b)

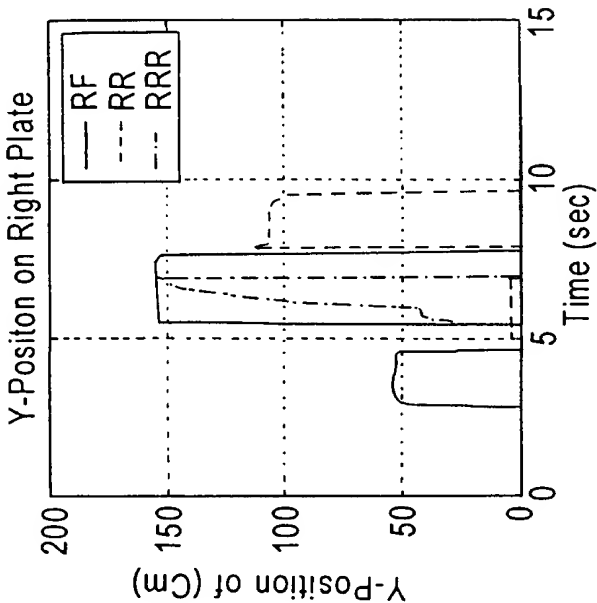


FIG. 8(c) Equi. GRF at 2 Limb Position

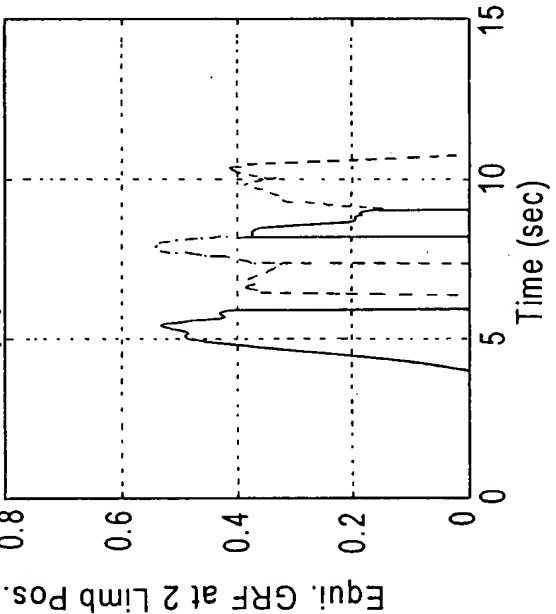
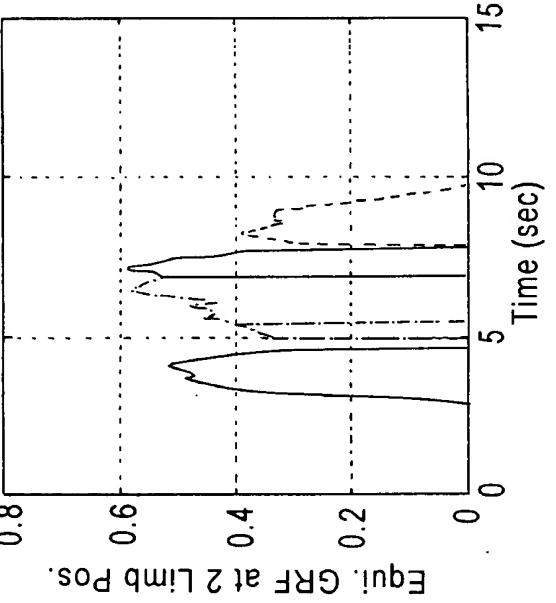


FIG. 8(d) Equi. GRF at 2 Limb Position



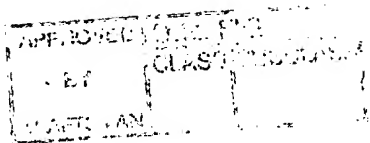


FIG. 8(e)

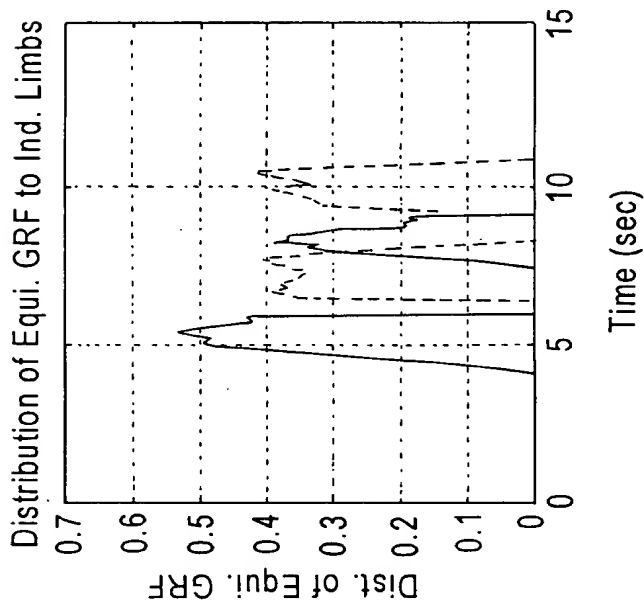


FIG. 8(f)

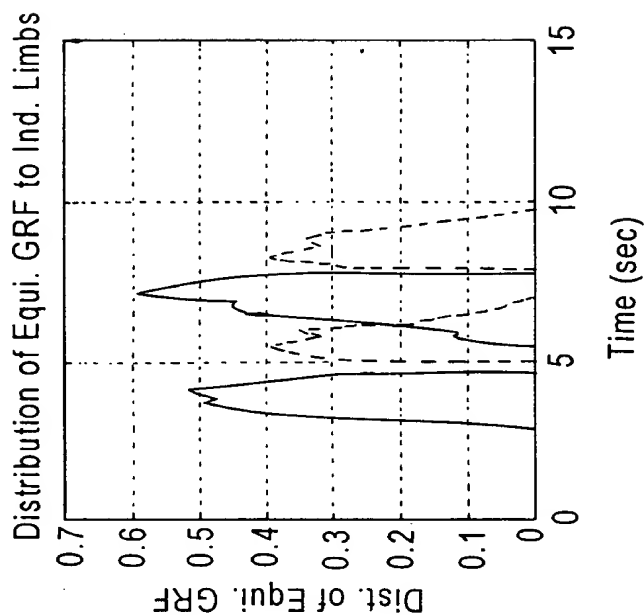


FIG. 9(a)

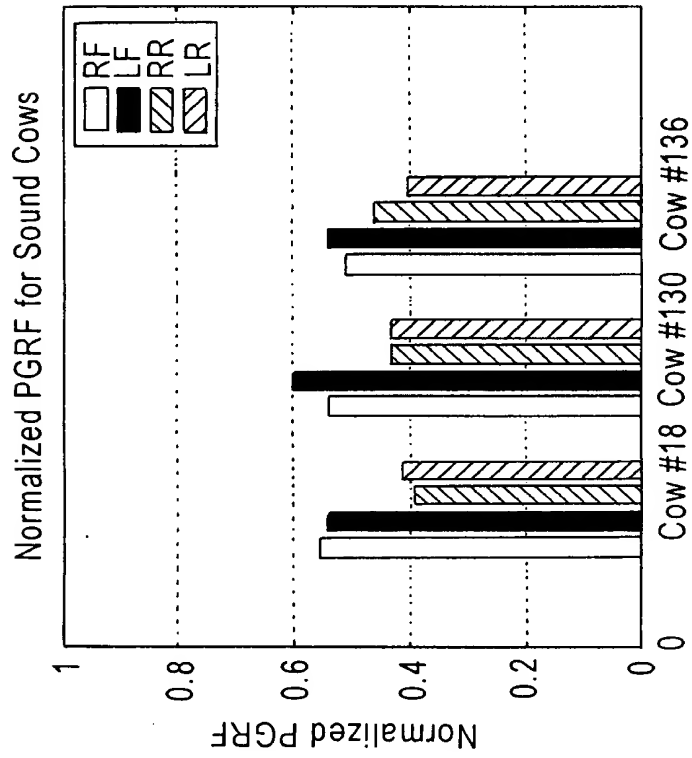


FIG. 9(c)

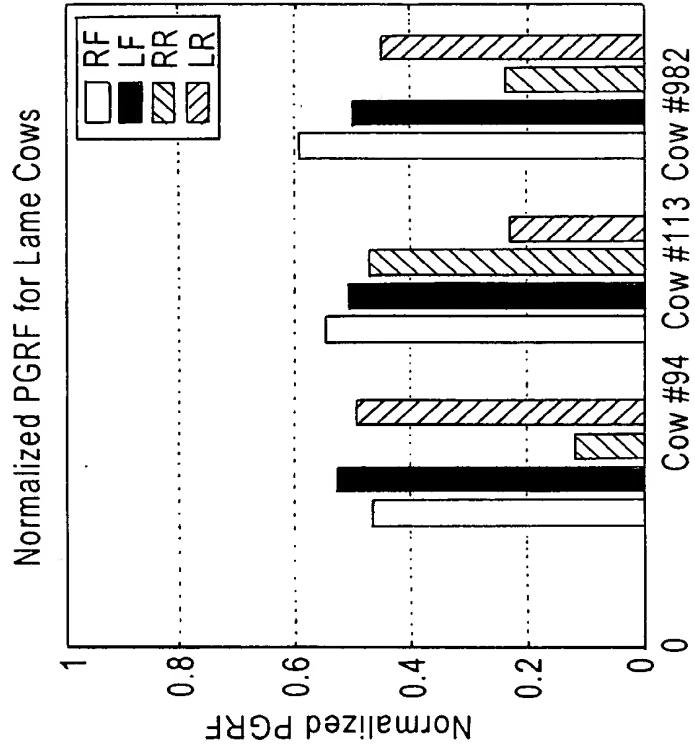


FIG. 9(b)

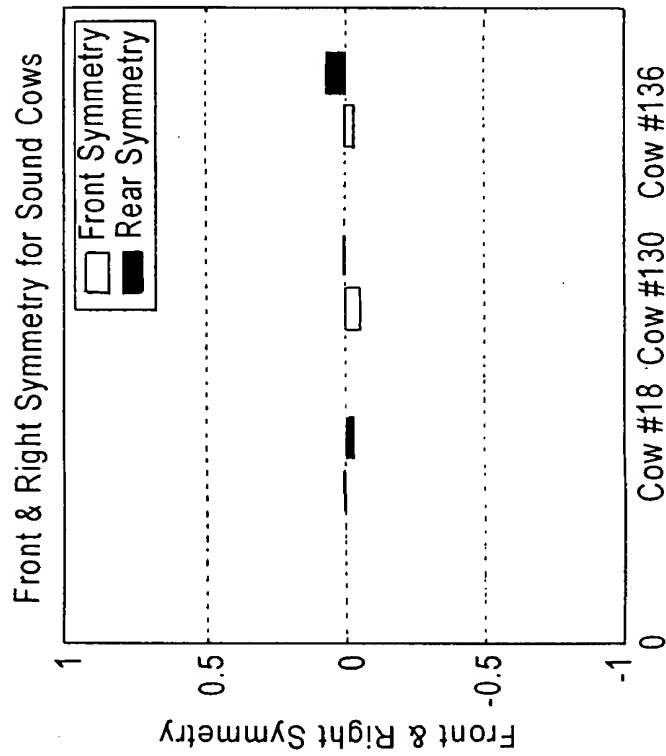
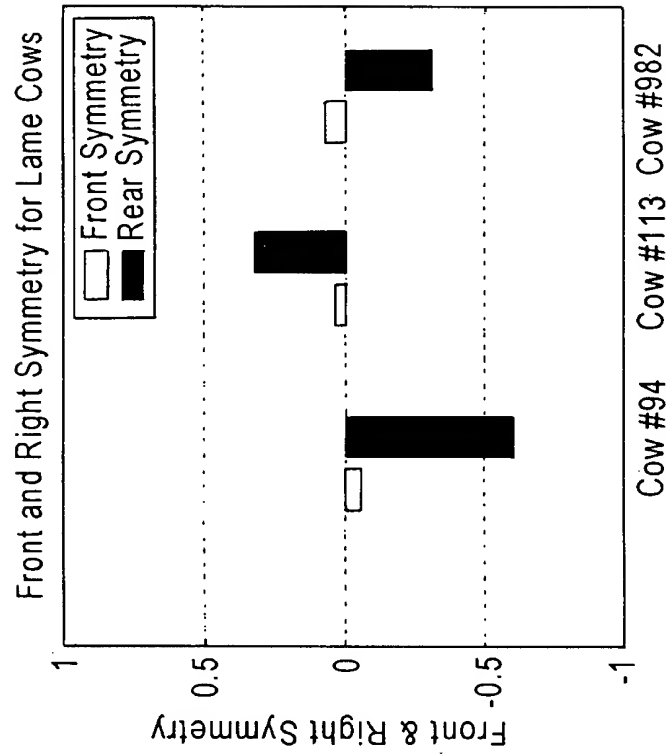


FIG. 9(d)



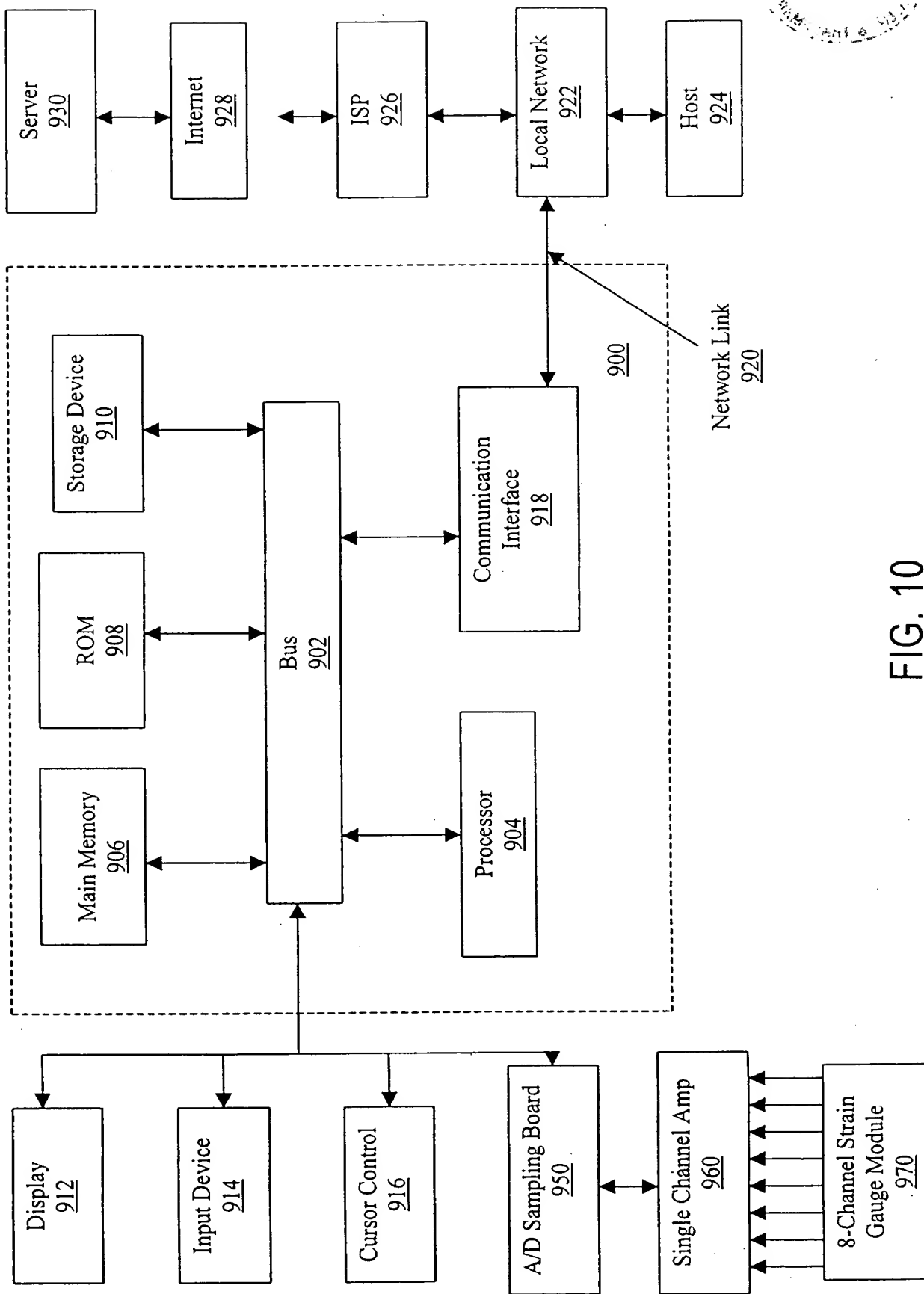


FIG. 10

Limb movement variables of Individual Limbs of Sound Cows 973 and 984

Limb Movement Variables	Sound Cow 973				Sound Cow 984			
	Left Front [LF]	Right Front [RF]	Left Rear [LR]	Right Rear [RR]	Left Front [LF]	Right Front [RF]	Left Rear [LR]	Right Rear [RR]
Normalized PGRF	0.49	0.52	0.39	0.51	0.56	0.59	0.41	0.44
Stance time (sec)	1.00	0.89	1.00	0.97	1.11	1.10	0.92	1.10
Impulse (sec)	0.34	0.33	0.30	0.35	0.40	0.40	0.26	0.31
Normalized AGRF	0.34	0.37	0.30	0.36	0.36	0.36	0.28	0.29
Step size (cm)	NA	NA	NA	NA	NA	114	NA	117
Energy (1/sec)	0.47	0.47	0.37	0.40	0.54	0.55	0.41	0.35
P-energy (1/sec ²)	4.51	4.70	3.32	3.34	5.15	5.32	3.77	2.81

FIG. 11

Limb movement variables of Individual Limbs of Lamé Cows 113 and 982

Limb Movement Variables	Lamé Cow 113				Lamé Cow 982			
	Left Front [LF]	Right Front [RF]	Left Rear [LR]	Right Rear [RR]	Left Front [LF]	Right Front [RF]	Left Rear [LR]	Right Rear [RR]
Normalized PGRF	0.47	0.53	0.19	0.41	0.55	0.57	0.36	0.27
Stance time (sec)	2.00	1.40	1.05	1.50	1.14	0.97	1.27	0.99
Impulse (sec)	0.67	0.44	0.11	0.53	0.40	0.35	0.33	0.16
Normalized AGRF	0.33	0.32	0.10	0.36	0.35	0.36	0.26	0.17
Step size (cm)	84	NA	117	NA	96	102	92	142
Energy (1/sec)	0.41	0.33	0.12	0.33	0.46	0.54	0.30	0.20
P-energy (1/sec ²)	3.74	1.44	1.04	2.20	4.50	5.14	2.55	1.40

FIG. 12